

534007/18/2005

Revised

**CITY OF RIVERSIDE**  
**HUMAN RESOURCES DEPARTMENT**  
**CLASSIFICATION SPECIFICATION**

---

**TITLE: SENIOR MECHANIC**

**DEFINITION**

Under general supervision, to perform skilled journey level work in the mechanical repair work on a variety of diesel, compressed natural gas and gasoline powered automotive, construction and towed equipment; assist/oversee vehicle and equipment repair work of semi-skilled mechanic; and to do related work as required

**DISTINGUISHING CHARACTERISTICS**

This is a journey level classification in which incumbents are required to diagnose, inspect and repair all City owned diesel, compressed natural gas and gasoline-powered light, para-transit bus and heavy equipment.

**REPORTS TO:** Fleet Maintenance Supervisor

**SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from the Fleet Maintenance Supervisor.

**EXAMPLES OF DUTIES**

Duties may include, but are not limited to, the following:

- Inspect, diagnose and repair mechanical defects on all light and heavy duty vehicles, forklifts, refuse trucks, utility lift and crane trucks, towed equipment, para-transit bus, sweepers and construction equipment.
- May be assigned to perform maintenance and repairs on fire equipment and apparatus; compressed natural gas filling station and dispensing equipment on an as-needed basis.
- Diagnose and repair computer controlled vehicles and equipment, emission systems and their related components.
- Disassemble components and repair or replace defective parts.
- Perform minor and major overhauls on automotive and heavy-duty engines.
- Perform minor and major tune-up on automotive and heavy duty engines.
- Perform major repair work on drive-train, steering, hydraulic, electrical, suspension, air compression, air/hydraulic brake systems, ignition, hydraulic pumps and controls, and air conditioning systems.
- Perform and oversee major and minor repairs and installation of new parts.
- Perform routine vehicle and equipment inspection and maintenance.
- Perform occasional metal work such as cutting welding, soldering and minor fabrication.
- Maintain computer based time and material records on all completed work.
- Maintain and repair gas and diesel powered light and heavy fire equipment and apparatus such as automobiles, trucks, pumps and generators on as-needed basis.

- Make emergency field repairs to equipment and vehicles.

## QUALIFICATIONS

### Knowledge of:

- Techniques, theory, methods and care of overhauling and repairing diesel, compressed natural gas and gasoline powered internal combustion engines, equipment and related components, including drive, fuel and electrical systems.
- Preventative maintenance inspection methods; electricity, hydraulics, mechanics and their methods, materials and tools used in the light and heavy equipment repair trade.
- Occupational hazards and standard safety precautions necessary in the performance of work.

### Ability to:

- Read and interpret pertinent laws, codes, safety orders, repair manuals, wiring diagrams, schematics and screens on PC based scopes, on-line technical repair databases and scan tools.
- Perform journey level equipment mechanical work including troubleshooting of equipment for both major and minor repair.
- Accurately determine mechanical repair needs.
- Diagnose mechanical trouble and determine appropriate maintenance work.
- Assist in providing direction and training of semi-skilled personnel.
- Perform all tasks in accordance with applicable federal and state safety standards.
- Maintain work area in a clean and neat condition and perform related work as required.
- Work productively in the absence of supervision.
- Safely operate City vehicles.
- Establish and maintain effective working relationships with supervisors, fellow employees, contractors and the general public.
- Understand and carry out oral and written directions.
- Work overtime as required.
- Work weekends, holidays, evenings and/or varying shifts.

### Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of the twelfth grade supplemented by specialized training in the maintenance and repair of gas and diesel-powered equipment. The completion of a recognized apprenticeship or possession of mechanical certifications from a professionally recognized institution is highly desirable.

Experience: Two years of journey level experience in automotive and heavy equipment repair work. Experience and certification in alternative fuel systems, compression and dispensing is highly desirable.

**MEDICAL CATEGORY:** Group 2

**WORKING CONDITIONS**

Work is performed in a variety of environmental conditions, indoors and out, with exposure to wide temperature variations, noise, vibrations, fumes, grease and oils, machinery and its moving parts, odors and dust. Physical demands require bending, stooping, and frequent heavy lifting of moderately heavy objects weighing up to fifty pounds. Some exposure to irritating chemicals. Incumbent must be able to see and hear in the normal range with or without correction.

**NECESSARY SPECIAL REQUIREMENT**

Possession of, or ability to obtain, an appropriate, valid Class "C" California Motor Vehicle Operator's License.

Possession of, or ability to obtain during the probationary period, a valid Class "A" California Motor Vehicle Operator's License.

Automotive Service Excellence (ASE) certification is highly desirable. Successful completion of ASE Series test Medium & Heavy-duty Truck Series T2, T4, T5 & T6 Certifications in medium and heavy-duty truck speciality areas is required upon completion of probation.

Required journey level hand tools sized to a minimum of 11/2 ".

**CAREER ADVANCEMENT OPPORTUNITIES**

**FROM:** Senior Mechanic

**TO:** Fleet Management Service Writer